

DE 93 09 431 U1

An aerodynamic striking cap made of foam is described, which includes indentations on the surface that affect the aerodynamics and are oriented in the direction of flight. The surface has preferably 16 indentations, but can also have more. The indentation at the central striking point can also be a continuous through hole. A neck is arranged at the end of the striking surface which can be formed with the striking cap as a single unit or can be a separate piece connected with the striking cap. The neck of the striking cap improves the aerodynamic properties through an annular depression extending on its surface. The indentations and the ring on the surface on the striking cap have signal colors.

DE 91 10 804 U1

Badminton ball with interchangeable cylindrical core

The cylindrical core is inserted into the interior of the badminton shuttlecock and affixed with an orientation along the axial direction in relation to the path of flight. The cylindrical core can be moved in and out of the shuttle cock and operates as a flight stabilizer. The core piece can include plastic luminescent tubes which operate by chemo-luminescence and facilitate play after dark. A funnel-shaped opening can direct the light in the direction of flight.

A ballgame has at least one racket and at least one badminton-type ball with a headpiece having a spherical surface and a feather piece with several two-dimensional elements to stabilize the flight. The flight characteristic (range, trajectory, speed and/or stability of the flight path) can be changed by changing the headpiece or intermediate pieces arranged between the headpiece and the feather piece. The headpiece can have different hardness and can include indentations and fluorescent, phosphorescent or luminescent colors to facilitate night play.

CH 672 430 A

Badminton ball

A ring is applied to a conventional badminton ball. The ring is made of unbreakable plastic and is filled with a material having two initially separate components that emits light when the two components are mixed. The two components can be mixed immediately before play by destroying a wall separating the two components.

DE 231 763 C

The patent discloses a ring-shaped holder for securing the quills of a badminton ball. The ring can be made of two metal strips with tongues and indentations, whereby the quills are placed in the indentations and the tongues are pushed through holes and bent to produce the holder for the quills. Alternatively, a single strip can be used, whereby the tongues are bent around the quills. The metal is aluminum or tin foil.